INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB2005/051474

		1.			
A. CLASSIFICATION OF SUBJECT MATTER	A. CLASSIFICATION OF SUBJECT MATTER				
IPC ⁷ F02M61/06 F02M45/02 According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols)					
IPC ⁷ F02M61/06 F02M45					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Chinese Utility Models and Inventions from 1985 to now					
Electronic data base consulted during the international search (nam	e of data base and, where practicable, sear	ch terms used)			
	EPODOC WPI PAJ				
Databases :CNPAI	EPODOC WII IAJ				
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category* Citation of document, with indication, where ap	opropriate, of the relevant passages	Relevant to claim No.			
X US4528951A (Keiichi Yamada) 16.Jul.1985 (16.07.1985) fig	US4528951A (Keiichi Yamada) 16.Jul.1985 (16.07.1985) fig2 column4 line 21-column 6 line 34				
X JP59-20524A (ISUZU MOTORS LTD) 2.Feb1984 (02.02.198	JP59-20524A (ISUZU MOTORS LTD) 2.Feb1984 (02.02.1984) fig.1 and related description				
X JP61-89919A (ISUZU MOTORS LTD) 8.May1986 (8.05.1986) fig.4 and related description		1-3,5,7-11,13-16			
X JP58-165566A (NISSAN MOTOR) 30.Sep.1983 (30.09.1983) fig.4 and related description		1-3,5,7-11,13-16			
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
X GB2084249A (WISSENSCHAFTLICH-TECH) 7.Apr.19	1-3,5,7-11,13-16				
A GB2137280A (ORANGE GMBH) 3.Oct.1984 (3.10.1984) fig.1 and related description		1-16			
☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.					
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance	d documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the				
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone				
"L" document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art				
"P" document published prior to the international filing date but later than the priority date claimed	"&"document member of the same patent family				
Date of the actual completion of the international search	Date of mailing of the international search report				
	20.0ct2005 (20.10.2005) 17 · NOV 2005 (17 · 11 · 20 05)				
me and mailing address of the ISA/CN e State Intellectual Property Office, the P.R.China Kitucheng Rd., Jimen Bridge, Haidian District, Beijing, China 2088 Telephone No. 86-10-62085391					
Facsimile No. 86-10-62019451 Form PCT/ISA:/210 (second sheet) (April 2005)	1				

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)			
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: 1. Claims Nos.:			
because they relate to subject matter not required to be searched by this Authority, namely: 2. Claims Nos.: 17 because they relate to parts of the international application that do not comply with the prescribed requirements to such an			
extent that no meaningful international search can be carried out, specifically: the extent of protection defined by the claim 17 is not clear.			
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).			
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)			
This International Searching Authority found multiple inventions in this international application, as follows:			
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.			
2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of any additional fee.			
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:			
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:			
Remark on protest			
The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.			
No protest accompanied the payment of additional search fees.			

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INTERNATIONAL SEARCH REPORT Information on patent family members

International application No.
PCT/IB2005/051474

	Publication	Patent family	Publication
Patent Documents referred in the Report	date	member(s)	date
US4528951A ·	16.Jul.1985 (16.07.1985)	none	
JP59-20524A	2.Feb1984 (02.02.1984)	none	
Љ61-89919A	8.May1986 (8.05.1986)	none	
JP58-165566A	30.Sep.1983 (30.09.1983)	none	
DE2905396A1	14.Aug.1980 (14.08.1980)	none	
GB2084249A	7.Apr.1982 (7.04.1982)	FR2490278 A	19.Mar.1982(19.Mar.1982)
		DD153167 A	23.Dec.1981 (23.12.1981)
		DE3133388 A	23.Sep1982 (23.09.1982)
		DE3133388 C	19.May.1983 (19.05.1983)
		CS8106387 A	19.Nov.1984 (19.11.1984)
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		FR2543224 A	29.Sep.1984 (29.09.1984)
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